

- 1        1. A trailer for collecting and dumping material comprising:
  - 2                a towable chassis with a hitch coupler at a first end of the chassis and
  - 3                at least two road wheels located adjacent to a second end of the chassis that is
  - 4                remote from the hitch coupler;
  - 5                at least one steerable wheel located adjacent to the first end of the
  - 6                chassis with a steering control mechanism interconnected with the steerable wheel;
  - 7                an power source mounted upon the chassis and interconnected with
  - 8                the road wheels to power the road wheels;
  - 9                a hydraulic system mounted upon the chassis and including a
  - 10                hydraulic pump interconnected with and powered by the power source;
  - 11                at least two pivoting main beams, each attached to the chassis at a
  - 12                pivot point located at a point on the chassis adjacent to the first end of the chassis
  - 13                with the main beams extending to a location adjacent to the second end of the
  - 14                chassis;
  - 15                at least one hydraulic piston powered by the hydraulic pump and
  - 16                interconnected with the pivoting main beams and the chassis to lift the ends of the
  - 17                main beams that are adjacent to the second end of the chassis above the chassis;
  - 18                at least two pivoting support beams each attached to a main beam at a
  - 19                pivot point located at a point on a main beam adjacent to the second end of the
  - 20                chassis, with the support beams extending toward the first end of the chassis;
  - 21                at least one hydraulic piston powered by the hydraulic pump and
  - 22                interconnected with the pivoting support beams and the main beams to lift the ends

1 of the support beams that extend toward the first end of the chassis above the main  
2 beams;

3 a bin attached to and supported by the support beams.

4 2. The trailer of claim 1 further including movable extensions on the main  
5 beams, with the extensions having ends movable out beyond the second end of the  
6 chassis, with the pivot points of the support beams attached to the extensions  
7 adjacent to the ends of the extensions that extend out beyond the second end of the  
8 chassis, and the hydraulic pistons that are interconnected with the support beams  
9 also interconnected with the extensions of the main beams.

10 3. The trailer of claim 2 further including at least one hydraulic piston  
11 interconnected with the chassis and the extensions of the main beams to power the  
12 movement of the extensions.

13 4. The trailer of claim 1 wherein the bin includes a tailgate that can be  
14 opened.

15 5. The trailer of claim 1 further including at least two hydraulic stabilizer  
16 pistons, one located adjacent to each of the corners at the second end of the  
17 chassis.

18 6. The trailer of claim 1 wherein the chassis includes at least two chassis  
19 beams extending from the first end of the chassis to the second end of the chassis.

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